

AMENDMENTS TO THE SPECIFICATION

Please replace paragraph [0023] with the following amended paragraph:

[0023] The GDI 14 and the printer driver 16 will generate a full-page image data according to the coordinates recorded in the address units [[74]] 28. Please refer to Fig. 5, which is a schematic diagram of the document 70 and the full-page image data 80. The full-page image data 80 has a plurality of image data pieces 82, and each of the image data pieces 82 corresponds to one of the blocks 72 of the document 70. When the print data of the document 70 is generated, the GDI 14 and the printer driver 16 generate a corresponding image data piece 82 for each block 72 according to the 10 updated positions recorded in the corresponding address unit 28. For example, the image data piece #A is generated according to the updated positions recorded in the address unit REC#0. The GDI 14 and the printer driver 16 only generate one of the image data pieces 82 at one time so that the capacity of the memory 26 for temporarily 15 storing processed raster image data, i.e. pixels and print data, can be reduced. For example, if the document 70 is divided into M blocks, the capacity of the memory 26 for temporarily storing processed raster image data could be reduced to about 1/M of the data amount of the full-page image data 80. In the second embodiment, the full-page image data 80 is the print data of the document 70 and can be transmitted to the printer 30 to be printed. After all of the image data pieces 82 of the full-page 20 image data 80 are generated, the image data pieces 82 are rendered as raster image CMYK data to merge merged into the full-page image printing data 80, and then the full-page image printing data 80 is transmitted to the printer 30. When the printer 30 receives the full-page image printing data 80, the printer 30 prints the full-page image data 80 automatically.

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